|   | Index of Claims |          |          |              |                |         |    |                 |                 |          |          |          |           | Application No. |                  |          |                    |          |               |          |       |            | Applicant(s)   |          |           |                        |          |                    |           |   |  |
|---|-----------------|----------|----------|--------------|----------------|---------|----|-----------------|-----------------|----------|----------|----------|-----------|-----------------|------------------|----------|--------------------|----------|---------------|----------|-------|------------|----------------|----------|-----------|------------------------|----------|--------------------|-----------|---|--|
|   |                 |          |          |              |                |         |    |                 |                 |          |          |          |           | 10/664,300      |                  |          |                    |          |               |          |       |            | PARK ET AL.    |          |           |                        |          |                    |           |   |  |
|   |                 |          |          |              |                |         |    |                 |                 |          |          |          |           |                 | Examiner         |          |                    |          |               |          |       |            |                | Art Unit |           |                        |          |                    |           |   |  |
|   |                 |          |          |              |                |         |    |                 |                 |          |          |          |           |                 |                  |          |                    |          |               |          |       |            |                |          |           |                        |          |                    |           |   |  |
|   |                 |          |          |              |                |         |    |                 |                 |          |          |          |           |                 | Ivars C. Cintins |          |                    |          |               |          |       |            |                | 1724     |           |                        |          |                    |           |   |  |
|   |                 |          | _        |              |                |         | _  |                 |                 |          |          |          |           |                 |                  |          |                    |          |               |          |       |            |                |          |           |                        | _        |                    |           |   |  |
|   | √ Rejected      |          |          |              |                |         |    |                 | (Through numera |          |          |          |           | eral            | al) Non-Ele      |          |                    |          | Elect         | ted      |       |            | Appeal         |          |           |                        |          |                    |           |   |  |
|   |                 |          |          |              |                |         |    | $\sqcup$        | Cancelled       |          |          |          |           |                 |                  |          |                    |          |               | A        |       |            |                |          | _         |                        |          |                    |           |   |  |
|   | = Allowed       |          |          |              |                |         |    |                 | +               |          | Re       | estric   | ted       |                 |                  |          | 1                  | In       | terf          | eren     | се    |            | o              | Objected |           |                        |          | 1                  |           |   |  |
|   |                 |          | L        |              |                |         |    |                 |                 |          |          |          |           |                 | J                | Ш        |                    |          |               |          |       | Ш          | J              |          |           |                        |          |                    |           |   |  |
|   | Cla             | aim      | Date     |              |                |         |    |                 |                 | $\neg$   | Claim    |          |           |                 |                  | Date     |                    | · ·      |               | 7 [      | Cla   | im         |                |          | Date      |                        |          |                    | 1         |   |  |
|   |                 | a        |          | 2            |                |         |    |                 |                 |          |          | m        | al        |                 |                  |          |                    |          |               | 7 [      |       |            |                |          |           |                        |          |                    |           |   |  |
|   | Final           | Original | 3/1/05   | 0/1/0        |                |         |    |                 |                 |          | Final    | Original |           |                 | ŀ                |          |                    | ı        |               |          | Final | Original   |                |          |           |                        |          |                    |           |   |  |
|   |                 | Ō,       | 3        | ۲            |                |         |    |                 |                 |          | "        | 1        |           |                 |                  |          |                    |          |               |          | "     | õ          |                | i        |           |                        |          | İ                  |           |   |  |
|   |                 | 1        | V        |              | $\blacksquare$ |         | T  |                 | П               |          |          | 51       |           |                 |                  |          |                    |          |               | ] [      |       | 101        |                |          |           |                        |          |                    | $\perp$   | ] |  |
|   |                 | 3        | 1        | +            | -              | +       | ╁  | ╫               | ╁               | $\dashv$ | -        | 52<br>53 |           | +               | ╁                | -        | $\left  - \right $ | $\dashv$ | +-            | -{ }     |       | 102<br>103 | $\dashv$       | +        | +         | ╁                      | _        |                    | ╬         | - |  |
|   |                 | 4        | V        | +            |                |         |    |                 |                 |          |          | 54       |           |                 |                  |          |                    | 士        |               | j t      |       | 104        |                |          |           |                        |          | $\dashv$           |           |   |  |
|   |                 | 5        | 1        | +            | 4              | - -     | -  | _               | Ш               | _        |          | 55       | $\perp$   |                 |                  | _        |                    | 4        |               | 4        | _     | 105        |                | _        |           |                        |          | $\Box$             |           |   |  |
|   |                 | 6<br>7   | <b>√</b> | +            | $\dashv$       | +-      | ╁  | ╁               | -               | $\dashv$ | -        | 56<br>57 | -         | $\dashv$        | +-               | ┢        | $\vdash$           | +        | +             | ┨        | - 1   | 106<br>107 | $\dashv$       |          | +         | +                      | $\vdash$ | $\dashv$           |           | ł |  |
|   |                 | 8        | V        | +            | 士              |         |    |                 |                 |          |          | 58       |           |                 |                  |          |                    |          | 1.            |          |       | 108        |                |          |           |                        |          |                    |           | j |  |
|   |                 | 9        | √<br>/   | + +          | -              |         | +  | ╀               | $\vdash$        | 4        |          | 59<br>60 |           | +               | $\perp$          | ļ        | $\square$          | 4        | _             | ┧╏       | !     | 109        |                | _        | 4         | 1                      |          | _                  | 4         |   |  |
|   |                 | 11       | <b>√</b> | +            | $\pm$          | +       | +  | +               |                 | _        |          | 61       | +         | +               | +                | $\vdash$ | H                  |          | +             | ┨╏       |       | 110<br>111 | -              | -        | ╁         | ╁                      | $\vdash$ |                    | ╁         | 1 |  |
| * |                 | 12       | <b>√</b> | +            | $\perp$        |         | 上  |                 |                 |          |          | 62       |           |                 | 1_               |          |                    |          |               | ] [      |       | 112        | $\Box$         |          |           |                        |          |                    |           |   |  |
|   |                 | 13<br>14 | √<br>√   | +            |                | +       | -  | -               | $\vdash$        | _        | <u> </u> | 63<br>64 | -         |                 | +-               |          | Н                  | $\dashv$ | +             | ┦ ├      |       | 113<br>114 | $\dashv$       | -        | 4         | -                      |          | _                  | -         |   |  |
|   |                 | 15       | <b>∨</b> | $\dashv$     | +              | +       | +  | +               | $\vdash$        | $\dashv$ | <u> </u> | 65       |           | +               | ╁                |          | $\vdash$           | $\dashv$ | +             | 1 }      |       | 115        | H              | +        | +         | $\vdash$               | H        | $\overline{\cdot}$ | +         |   |  |
|   |                 | 16       | √,       | $\Box$       | 4              | T       | T  |                 | П               | ]        |          | 66       |           | _               |                  |          |                    | 4        | $\bot$        | ] [      |       | 116        |                |          | $\bot$    |                        |          |                    |           |   |  |
|   |                 | 17<br>18 | <b>√</b> | +            | +              | +       | +  | -               | $\vdash$        | $\dashv$ |          | 67<br>68 |           | +               | +                |          | $\vdash$           | +        | +             | ┨        |       | 117<br>118 | $\blacksquare$ | +        |           | +-                     | $\vdash$ |                    | +         | • |  |
| • |                 | 19       | ✓        | +            |                |         |    |                 |                 |          |          | 69       |           |                 |                  |          |                    |          | +             | 1        |       | 119        |                | $\top$   | $\dagger$ |                        | H        | 1                  | +         |   |  |
|   |                 | 20<br>21 | √<br>/   | +            | +              | +       | +  | ļ.,             | $\sqcup$        | _        | ļ        | 70<br>71 |           | - -             | _                |          |                    | 4        | _             | ] [      |       | 120        |                | $\perp$  | $\perp$   |                        |          |                    |           |   |  |
|   |                 | 22       | <b>√</b> | +            | +              | +       | ╁┈ | <del> </del> -  | -+              | $\dashv$ |          | 72       | -+        | +               | +                |          | H                  | +        | +             | ┪╏       |       | 121<br>122 |                | +        | +         | +                      | $\vdash$ | $\dashv$           | +         |   |  |
|   |                 | 23       | ✓        | +            | 1              |         |    |                 |                 | _        |          | 73       |           |                 |                  |          |                    |          |               | ] [      |       | 123        |                | 工        |           |                        |          |                    |           |   |  |
|   |                 | 24<br>25 | 1        | $\dashv$     | +              | +       | +  |                 | -               |          |          | 74<br>75 | -+        | _               |                  |          |                    | _        | +             | -        |       | 124<br>125 | $\dashv$       | +        | -         |                        |          | +                  | +-        |   |  |
|   |                 | 26       | V        | +            | $\dashv$       | ╁       | +- | $\vdash$        | -               | $\dashv$ |          | 76       | $\dashv$  | +               | +                |          |                    | +        | +             | 1        | -     | 126        | $\dashv$       | +        | +         | $\vdash$               | $\vdash$ |                    | +-        | { |  |
|   |                 | 27       | V        | $\Box$       | 1              | $\perp$ | 1  |                 |                 |          |          | 77       |           |                 |                  |          | $\Box$             | 1        |               | ] [      |       | 127        |                |          |           |                        |          | Ï                  |           |   |  |
|   |                 | 28<br>29 | <b>√</b> | +            | +              | +       | +  | $\vdash$        | +               | -        |          | 78<br>79 | -         | - -             | ╁                | H        | _                  |          | +             | -        |       | 128<br>129 | -+             | -        | +         | $\vdash$               |          | -                  | +         |   |  |
|   |                 | 30       | V        | +            | 土              | 工       | 1  |                 |                 |          |          | 80       |           |                 | 1                |          |                    | 士        |               | 1 [      |       | 130        |                | $\top$   |           | $\Box$                 |          | 十                  | +         |   |  |
|   |                 | 31<br>32 |          | +            | _              |         | 4  | _               |                 |          |          | 81       |           |                 | $\perp$          |          |                    | $\top$   | ightharpoonup | ] [      |       | 131        | $\Box$         | $\Box$   | _         |                        |          |                    |           |   |  |
| - |                 | 33       |          | 렀            | +              | ╁       | +- | $\vdash$        | $\dashv$        | $\dashv$ |          | 82       | +         | +               | +-               | H        |                    | ╅        | ╫             | ┨┞       |       | 132<br>133 | $\dashv$       |          | +         | Н                      | -        | -                  | +         |   |  |
|   |                 | 34       |          | +            | I              |         |    |                 |                 |          |          | 84       |           |                 | 士                |          |                    | 1        |               | ] [      | Ī     | 134        |                |          | +         | H                      |          |                    | $\top$    |   |  |
| } |                 | 35<br>36 |          | +            | -              | _       | +  | Н               | 1               | -        |          | 85<br>86 |           | +               | $\bot$           |          | $\dashv$           | 4        |               | ] [      |       | 135        | _              | _        | $\perp$   |                        |          |                    |           |   |  |
|   | _               | 37       | -        | 十            | +              | +-      | +  | Н               | +               | $\dashv$ | -        | 87       | +         | +               | +-               | H        | $\dashv$           | +        | +             | ┨╏       |       | 136<br>137 | $\dashv$       | +        | +         | Н                      | $\dashv$ | +                  | +         |   |  |
| ļ |                 | 38       |          | $\Box$       |                |         |    |                 |                 |          |          | 88       |           |                 |                  |          |                    |          |               | 1 [      |       | 138        |                |          |           |                        |          |                    |           |   |  |
| } |                 | 39<br>40 | $\dashv$ | _            | +              | -       | ┼  | $\sqcup$        | $\dashv$        | 4        |          | 89<br>90 | +         |                 | +                |          | $\dashv$           | +        | 4             | -        |       | 139        |                |          |           |                        |          | $\perp$            | _         |   |  |
| ŀ |                 | 41       |          | $\exists$    | +              | +       | +  | $\Box$          |                 | $\dashv$ |          | 91       | +         | +               | +                | $\vdash$ | $\dashv$           | +        | +             | ┨        |       | 140<br>141 | $\dashv$       |          | <u> </u>  | $\vdash$               | $\dashv$ | $\dashv$           | +         |   |  |
| [ | $\Box$          | 42       | $\Box$   | 7            | 1              | $\bot$  |    | П               |                 |          |          | 92       | $\Box$    | $\downarrow$    |                  |          | 耳                  |          | $\downarrow$  | ] [      |       | 142        | $\Box$         | 工        |           |                        |          |                    | 1         |   |  |
| } |                 | 43<br>44 | $\dashv$ | +            | +              | +       | +  | Н               |                 | $\dashv$ | -        | 93<br>94 | +         | +               | +                | $\vdash$ | -                  | +        | +             | ┨┞       |       | 143<br>144 | +              | +        | +-        | $\left  \cdot \right $ | $\dashv$ | - -                | +-        |   |  |
| ţ |                 | 45       |          |              |                | 0       |    |                 |                 |          |          | 95       | $\exists$ | $\pm$           | $\perp$          |          | _                  | 士        | 士             | <u> </u> |       | 145        | $\dashv$       | ╁        | +-        | $\vdash$               |          | +                  | $\dagger$ |   |  |
|   |                 | 46       | 4        | $\dashv$     |                |         | F  | П               | $\bot$          | 7        |          | 96       | 7         | T               | $\bot$           |          | $\Box$             | $\perp$  |               | ] [      |       | 146        | $\dashv$       |          | $\perp$   |                        |          |                    |           |   |  |
| } |                 | 47<br>48 | $\dashv$ | +            | -              | +       | +  | $\vdash \vdash$ | -+              | $\dashv$ | -        | 97<br>98 | +         | +               | +-               | $\dashv$ | $\dashv$           | +        | +             | ┨╏       |       | 147<br>148 | +              | +        | +         | $\vdash \vdash$        | $\dashv$ | +                  | +         |   |  |
| į |                 | 49       |          | ightharpoons |                | 土       |    |                 | $\perp$         |          |          | 99       | $\exists$ | $\perp$         | 士                |          | 士                  |          | 土             | j [      |       | 149        | _              | $\pm$    |           |                        | $\dashv$ | _                  | $\top$    |   |  |
|   | - 1             | 50       | ſ        | l I          | - 1 -          | 1       | 1  | 1               |                 | ı        |          | 100      |           | -1-             | 1                |          |                    |          |               | ı [      |       | 150        | $\neg$         |          | 1         |                        | $\neg$   | -                  |           |   |  |

Application No.